IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:	Confirmation No.: 1987
Dennis William Mueller *et al.*	Group Art Unit: 2882
Serial No.: 10/743,896	Examiner: Ho, Allen C.
Filed: December 22, 2003	Docket No. 191314-1011

For: **PORTABLE X-RAY DIFFRACTOMETER**

SECOND RESPONSE

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The non-final Office Action mailed by the U.S. Patent and Trademark Office on October 7, 2004 has been carefully considered. In response thereto, please enter the following amendments and consider the following remarks.

AUTHORIZATION TO DEBIT ACCOUNT

It is believed that no extensions of time or fees for net addition of claims are required, beyond those, which may otherwise be provided for in documents accompanying this paper. However, in the event that additional extensions of time are necessary to allow consideration of this paper, such extensions are hereby petitioned under 37 C.F.R. § 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to deposit account no. 20-0778.

Dec. 8, 2004

PATENT APPLICATION FEE DETERMINATION RECORD
Effective ~~October 1, 2004~~

Application or Docket Number
10/743896

CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)		SMALL ENTITY TYPE ☐		OR	OTHER THAN SMALL ENTITY	
TOTAL CLAIMS				RATE	FEE		RATE	FEE
FOR	NUMBER FILED	NUMBER EXTRA		BASIC FEE	395.00	OR	BASIC FEE	790.00
TOTAL CHARGEABLE CLAIMS	minus 20=	*		X 25		OR	X 50	
INDEPENDENT CLAIMS	minus 3 =	*		X 100		OR	X 200	
MULTIPLE DEPENDENT CLAIM PRESENT		☐		+180		OR	+360	
				TOTAL		OR	TOTAL	

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

1.10.05

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA		SMALL ENTITY		OR	OTHER THAN SMALL ENTITY	
							RATE	ADDI-TIONAL FEE		RATE	ADDI-TIONAL FEE
AMENDMENT A	Total	* 21	Minus	** 21	= 1		X 25		OR	X 50	
	Independent	* 3	Minus	*** 3	= 1		X 100	/	OR	X 200	/
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐		+180	/	OR	+360	/
							TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA		RATE	ADDI-TIONAL FEE	OR	RATE	ADDI-TIONAL FEE
AMENDMENT B	Total		Minus	**	=		X 25		OR	X 50	
	Independent		Minus	***	=		X 100		OR	X 200	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐		+180		OR	+360	
							TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

		(Column 1) CLAIMS REMAINING AFTER AMENDMENT		(Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR	(Column 3) PRESENT EXTRA		RATE	ADDI-TIONAL FEE	OR	RATE	ADDI-TIONAL FEE
AMENDMENT C	Total	*	Minus	**	=		X 25		OR	X 50	
	Independent	*	Minus	***	=		X 100		OR	X 200	
	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM				☐		+180		OR	+360	
							TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."
  The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.